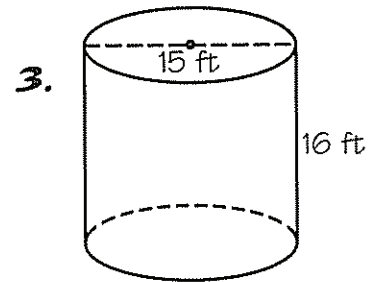
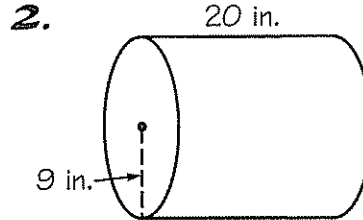
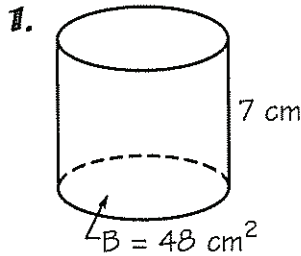


What Kind of Music Do Astronauts Like?

Cross out the letter next to each correct answer (some answers are rounded). Use 3.14 for π . When you finish, the answer to the title question will remain.

F	452.2 mL
S	3.4 m ³
R	2826 ft ³
E	857 in. ³
B	2
D	516.7 cm ³
N	25.8 oz
U	475.3 mL
F	395.6 g
I	336 cm ³
T	6
U	27.0 oz
P	388.5 g
O	4.0 m ³
T	8478 cm ³
E	2950 ft ³
G	5086.8 in. ³
N	7955 cm ³
O	4
S	942 in. ³

Find the volume of the cylinder.



Find the volume of the cylinder given the radius (r) or diameter (d) and height (h).

4. $r = 10$ in.
 $h = 3$ in.

5. $r = 4.4$ cm
 $h = 8.5$ cm

6. $d = 2.6$ m
 $h = 0.75$ m

Solve.

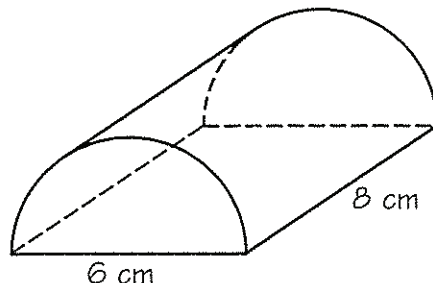
7. A mug in the shape of a cylinder has a base with a radius of 4 cm. How many milliliters of liquid does it hold if filled to a height of 9 cm. (1 cm³ holds 1 mL)

8. A peanut butter jar has a height of 5.9 in. and diameter of 3.6 in. One cubic inch holds 0.45 oz of peanut butter. How many ounces will fit in the jar?

9. Jo was comparing two cylinders that both had a radius of 5 cm. The first had a height of 10 cm, and the other a height of 20 cm. How many times greater was the volume of the larger cylinder?

10. Bo was comparing two cylinders that both had a height of 5 cm. The first had a radius of 10 cm, and the other a radius of 20 cm. How many times greater was the volume of the larger cylinder?

11. The paperweight shown below is made of glass with a density of 3.5 grams per cubic centimeter. How much does the paperweight weigh?



12. Find the volume of copper in this copper pipe. (1 m = 100 cm)

